

IISL COLLOQUIUM ON THE LAW OF OUTER SPACE (E7)
Interactive Presentations - IISL COLLOQUIUM ON THE LAW OF OUTER SPACE (IP)

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RELEVANCE OF MILITARIZED ARTIFICIAL INTELLIGENCE TO SOVEREIGNTY IN SPACE:
LEGAL CHALLENGES AND CONFLICTS

Abstract

The advent of technological advancement since the dawn of the space has given rise to possible challenges. Artificial Intelligence (AI), as one of the significant developments, plays a pivotal role in the space arena. Utilization of AI technologies could be in a dual way ensuring applications for military purposes. Whereas this cutting-edge military technology is currently being used in the applications for the design and improvements of weapon systems, which represents the potential to aid in an arms race in space, the possibility of military conflict and an AI warfare in the wrong hand will be derived from. This issue could bring about legal concerns, challenges to national and international security and conflicts with other legal provisions such as human rights law. My research investigates on whether the militarized AI in space affect the international relations between states or provide opportunities for space powers to compete against one another to achieve a superiority of sovereignty in space. The other discussion allocates to if AI militarization in space becomes actualized, what would legal consequences be comprised. Based on mentioned concerns, this article is inclined to present measures to bridge the gaps in space legislation to maintain authority for an independent supervisory organization over space activities militarily. The second solution depicts that the legislators should come to grips with the primary proceedings in generating an appropriate legal regime on a national level and reaching a particular treaty on an international level to eradicate greater challenges such as AI war and ensure the future of space security as a conclusion of this study.

Keywords: Militarized Artificial Intelligence, Space Law, Sovereignty, Human Rights.